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DEHUMIDIFIER

MODEL NO.: GD20E

Proudly presented by Gilman

Contents

- Before using your dehumidifier, please read this user's manual carefully, in order to ensure correct and safe use. After reading the manual, make sure it is stored in a safe place for future reference if necessary.

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Structure and Principle

Features

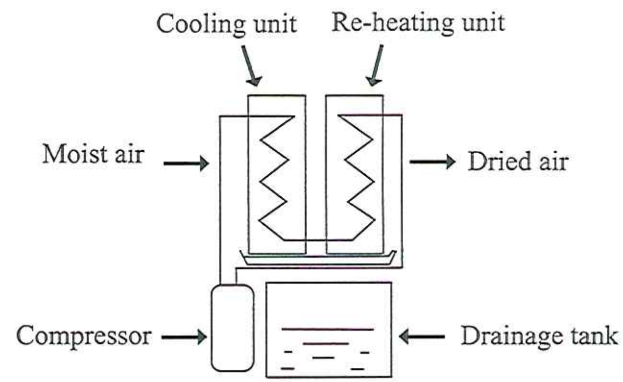
Powerful dehumidifying capability	Excellent drying laundry function
Taking advantage of refrigeration principle, the dehumidifier powerfully removes partial moisture from air to drop the humidity of the room and keep indoor air dry and comfortable.	The dehumidifier dries laundry quickly. This can prevent laundry and furniture from becoming damp and musty in rainy season.
Quiet operation	**Drainage tank with a large capacity**
When the dehumidifier operates in QUIET mode, it makes your room quiet.	The drainage tank capacity is as large as 6 liter, this will reduce the frequency of discarding water.
Using refrigerant for protecting environment	**Saving energy**
The dehumidifier uses the non CFC refrigerant for protecting environment.	The power consumption is low.

Specifications

Model	GD20E
Power Supply	220 ~ 230V, 50Hz
Dehumidifying Capacity	20L/day
Power Consumption	400W
Drainage Tank Capacity	6.0L(automatic stop at about 5.5L)
Weight	14kg
Dimension(height × width × depth)	545mm × 380mm × 261.5mm

- The dehumidification capacity is the value obtained after the dehumidifier was continuously run in the room temperature of 30°C with relative humidity 80%.
- The smount of dehumidification is the amount per day (24 hours.)
- If specifications are changed without notice for further improvement, they are data on nameplate of theunit.
- The work temperature is in the range 2°C to 38°C. If the room temperature is beyond the range, the unit can not operate normally.

How dehumidifying works

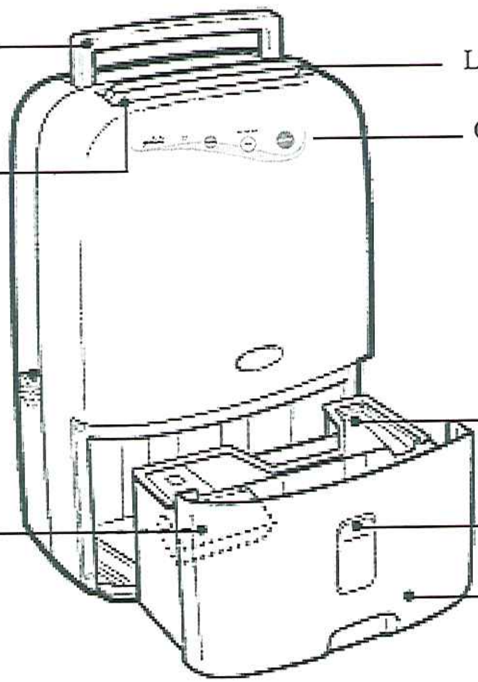


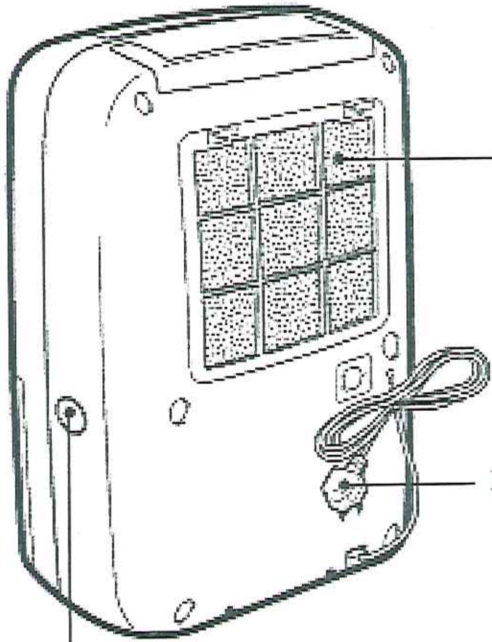
① It draws in room air, cools it with a cooling unit, and changes the humidity to drops of water.
② The drops of water fall into a drainage tank.
③ The dehumidified air is re-heated by a heating unit and discharged.

Steps ①, ② and ③ are repeated to remove humidity from the room.

- After the air passes through the re-heating unit, the temperature will rise a little, so that the temperature of the room will rise appreiably. This is normal phenomenon.

● **Structure of dehumidifier**





Operation

Operation steps:

1. Plug the power supply plug into the outlet.

2. Open the louver by hand.

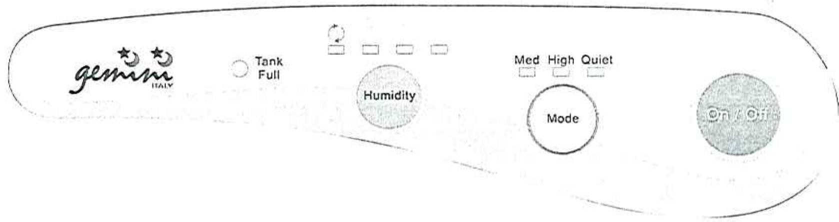
3. Press the power switch.

4. Select operation mode or let it run in the default mode.

5. Press the power switch once again to stop operation.

Operation

● Operation panel



Indicator lamp

1. Tank full indicator lamp
It will light when the drainage tank is full or positioned incorrectly. Empty the water out of the drainage tank, and make sure the tank is positioned properly.
2. Power indicator lamp
It will light when the unit is plugged in.
3. Mode indicator lamp
When "MED" lamp or "HIGH" lamp or "QUIET" lamp is lighted, it respectively indicates that the operation is in MED power, HIGH power or QUIET mode.
4. Humidity indicator lamp
When " " lamp, " " lamp or " " lamp is lighted, it respectively indicates that the currect setting humidity is "Low", "Medium" or "High".
" " : Continuously dehumidity indicator lamp
When " " lamp is lighted, it indicates that the operation is in CONTINUOUS mode.

Switch function

5. "**ON/OFF**" switch

Press the switch once to start operation, press it again to stop operation.

6. "**MODE**" switch

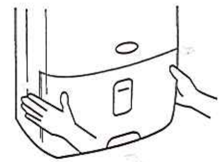
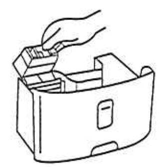
Each time the switch is pressed, the operation mode changes in the order of "MED", "HIGH" and "QUIET" and the corresponding mode indicator lamp will change with the operation mode.

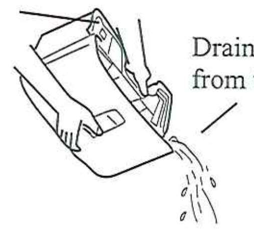
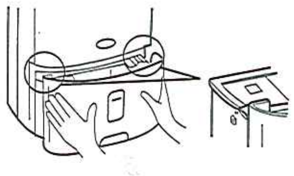
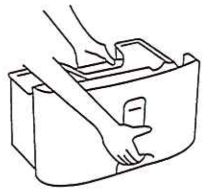
7. "**HUMIDITY**" switch

Press the switch to set the humidity of the room, which can be set in order of "LOW", "MED" "HIGH" and "continuous", the default is "continuous". When the relative humidity of the room is lower than your setting humidity, the operation will stop automatically.

Draining the water

If the drainage tank becomes full (approx. 5.5 liters), the "Tank Full" lamp lights to alert the user, operation stops automatically. Empty the water from the drainage tank and discard it.

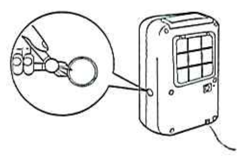
Drainage steps	Notation for drainage
1. Remove the drainage tank Lightly pressing on the sides of the tank with both hands, pull it gently out. 	• Do not remove the bubble packing from the float on the unit. The float on the unit will no longer be able to detect without the bubble packing when the water level is full, and water may leak from the water tank onto household furniture. This can cause electrical shock and/or short-circuit. 
Take hold of the handle, and then remove the tank. 	• If the drainage tank is dirty, wash it with cold or lukewarm water. Do not use detergent, scouring pads, chemically treated dustcloths, gasoline, benzene, thinner, or other solvents to clean it, as these can scratch and damage the tank and cause water to leak. 

Drainage steps	Notation for drainage
2. Discard the water 	• When place back the drainage tank, press the tank firmly into place with both hands. If the tank is not positioned properly, the Tank Full sensor will be activated, and the dehumidifier will not operate. Check to make sure the guards are firmly attached to the tank. If they are not, the drainage tank will be hard to remove. 
3. Place back the drainage tank 	• If the drainage tank is removed while the unit is in operation, or immediately after operation has stopped, water which is still in the cooling unit may drip out on the base plate. Wait at least 30 minutes before removing the drainage tank. (If water has dripped, wipe it up.) 

● Draining the water

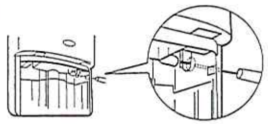
Continuous drainage of water

The unit has a continuous drainage port. Using a commercial hose (with an inner diameter of 15mm), the water in the drainage tank can be continuously drained out of the continuous port of the unit. When setting up the equipment for continuous drainage, always stop operation first and unplug the power supply plug.



1. Disconnect the drainage tank and open the continuous drainage port.

Use nippers or a similar tool to cut away the continuous drainage port in the side of the main unit.



2. Push the hose into the continuous drainage port

Pass a commercial hose (with an inner diameter of 15mm) through the continuous drainage port, and press it firmly into the drainage port in the main unit, make sure water does not leak. The drain piping should always not be higher than one of the drainage port, and drain piping should not be plugged up, so the condensed water can be drained out successfully.

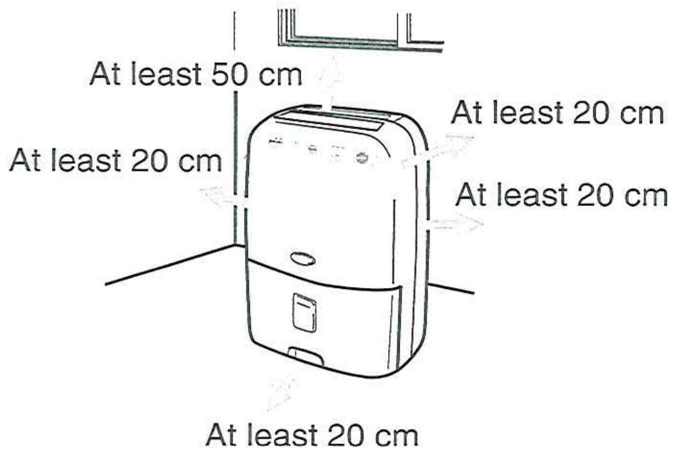


3.Return the drainage tank to its original position

Check the hose periodically to make sure it is still connected and has not been obstructed.

Operation

Make sure at lease some space is provided around it when the unit is operating.



Note:

Please stop working and discard the water before moving the dehumidifier.
Tilt it within range of 30 degrees.

Maintenance

Caring for the dehumidifier

Clean the air filter

The air filter should be cleaned approximately once two week. First, remove the air filter, then run a vacuum cleaner lightly over the surface of the air filter to remove dirt. If the air filter is very dirty, wash it with warm water and a neutral cleaning solvent and dry it thoroughly, attach the air filter.

Storing the dehumidifier

When the unit is not to be used for a long period of time

1. Fold up the power supply cord and secure it to the holder.
2. Discard any water left in the drainage tank and wipe away any remaining drops with a cloth.
3. Clean the air filter.
4. Store the unit
   Package the unit to keep it free of dust, and keep it upstanding and store it at a cool and dry place.

Notation for safe operation

When use the unit, please observe the following safety precautions:

1.When the unit works in HIGH mode, keep it an appropriate distance away from the clothings, and prevent the water from dropping onto it.

2.Before clean the unit or when do not use it for a long period of time, unplug the power supply cord.

3.Do not wash the unit with water or put the unit close to water,explosive or flammable things.

4.Do not set the unit close to heat-generating devices or near inflammable and dangerous article.

5.Never put your fingers or objects into the intake or discharge ports.

6.Do not sit or stand on the unit.

7.Discard water that has collected in the tank timely.

8.Do not run the dehumidifier in an closed area such as inside closets, or fire can take place.

9.Do not use the unit for special purposes such as edible items, objects of art or scientific materials are stored.

10.Install drain piping in a downhill grade to make sure that condensed water can be drained continuously.

11.If the supply cord is damaged, it must be replaced by qualified person in order to avoid a hazard.

Removing breakdowns

If a condition listed below occurs, please check the following items to help you to save your time and cost.

Condition	Cause	What to do
The unit does not operate.	Has the power supply cord been disconnected?	Plug the power supply cord into the outlet.
	Is the "Tank Full" lamp blinking? (The tank is full or in a wrong position.)	Discard the water in the drainage tank, and then reposition the tank.
	Is the temperature of the room above 38°C or below 2°C?	The protection device is actuated and the unit cannot be started under the bad environment (in that case, please do not use the dehumidifier.

Symptom	Check	Remedy
The dehumidifying function does not work	Is the air filter clogged?	Clean the air filter as instructed under "Caring for the dehumidifier".
	Is air intake port or discharge port obstructed?	Remove whatever is obstructing the discharge port or intake port.
No air is discharged	Is the air filter clogged?	Clean the air filter as instructed under "Caring for the dehumidifier".
Operation is noisy.	Has the unit been poorly installed so it is tilted or unsteady?	Use the unit in a stable, sturdy location. Prompt: Put a cushion under the unit and help to reduce operation noise.
	Is the air filter clogged?	Clean the air filter as instructed under "Caring for the dehumidifier".

- After the corresponding step is used but the breakdown cannot be removed or other breakdown occurs, please contact the authorized service centers.

Removing breakdowns

The following symptoms do not indicate a breakdown

Symptom	Reason
The operation noise suddenly increases during use.	The operation noise increases when the compressor is activated.
The humidity do not drop.	Is the room too big for the unit? Are windows or doors opened and closed frequently? Is there a device in the room such as a kerosene stove, which emits steam?
Very little dehumidifying takes place, or none takes place.	This happens if the temperature and/or humidity of the room is low.
When the unit is first used, the discharged air smells musty.	Because the temperature of the head exchanger rises abruptly, an unusual or musty odor may be produced for a moment.

Symptom	Explanation
The unit echoes.	If the unit is used in a room with wood flooring or in a small room, it may echo.
When operation is started or the operation mode is changed, an unusual noise is heard in main unit.	The refrigerant may take some sound until circulation stabilizes.
There are some stains left in the drainage tank.	This is water left from the dehumidifying test conducted at the factory, it does not indicate a problem.
The unit only can run in HIGH mode and it is ineffective to press mode switch.	When the temperature of the room is above 35°C the protection device is actuated, so that the unit only can run in HIGH mode (the fan speed is high).
The fan is running and the compressor does not work.	If the unit is started within 3 minutes after the unit stops, the protection device is actuated, so that the compressor is started automatically after delay of 3 minutes; or the automatic defrosting operation is activated and the compressor stops.

內容

使用抽濕機前，請小心閱讀使用者指南，確保正確和安全使用。閱讀指南後，確保指南放在安全地方，以便日後有需要作參考。

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● 特性

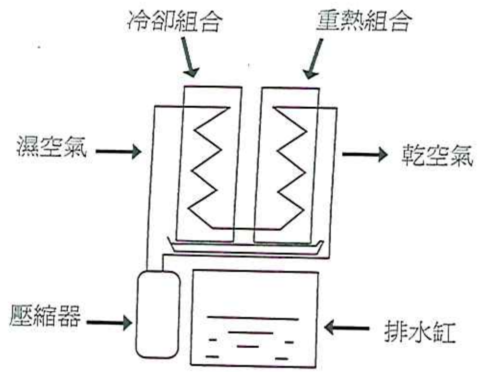
強力抽濕度	優良乾衣功能
取用於冷凍原理優點，抽濕機可強力消除空氣中的水分，減退房間濕度和保持室內空氣乾爽和舒適。	抽濕機可令衣物迅速乾透，在雨季時分，它可防止衣物及傢具潮濕和發霉。
運作寧靜	**排水缸容量大**
當抽濕機使用寧靜模式時，發出的音量很低,令室內寧靜。	排水缸容量達至 6 公升，這可減少丟棄水的次數。
採用冷卻劑保護環境	**節省能源**
抽濕機使用非 CFC 冷卻劑，目的是保護環境，減低污染環境。	消耗能量低。

● 規格詳述

型號	GD20E
電源	220~230V，50Hz
抽濕容量	20 公升每 / 日
消耗能量	400 瓦
排水缸容量	6.0 公升 (自動在約 5.5 公升停止)
重量	14 千克
尺寸(高 X 闊 X 深)	545 毫米 X380 毫米 X261.5 毫米

- 抽濕機的容量數值是抽濕機在室內溫度 30℃和相對濕度 80% 情況下, 不斷運作後所得出。
- 抽濕量是以一日計算起 (24 小時)。
- 若規格有所變改而未能通知, 都會列在名牌上。
- 運作溫度在 2℃至 38℃。如室內溫度超過此範圍, 機器便不能運作正常。

● 抽濕運作

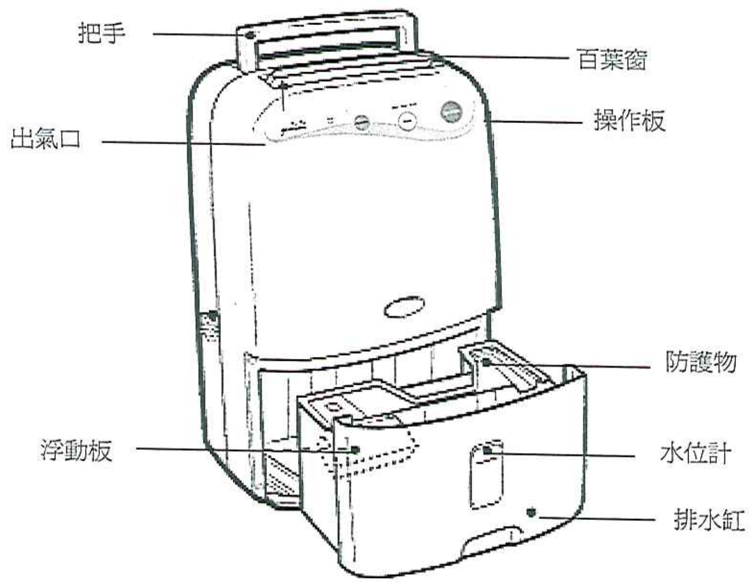


① 抽取室內空氣，冷卻組合冷凍空氣和把濕氣轉爲水點。
② 水點流進排水缸內。
③ 發熱組合重熱抽濕空氣和排出。

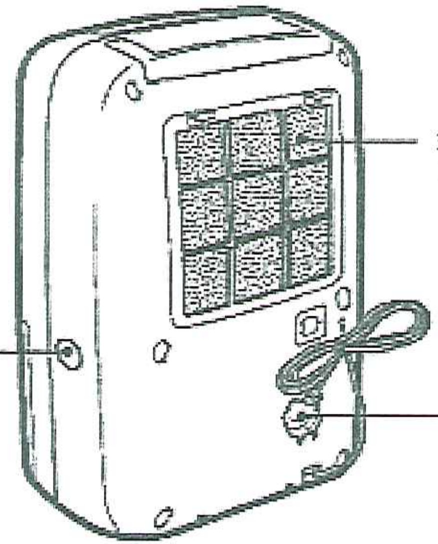
重覆步驟①,②,③去消除室內濕度。

空氣經過重熱組合，它的溫度會提高少許，室內溫度相對也提高。這是正常現象。

● 抽濕機的結構



結構和原理



操作

● 操作步驟

1、把電源插頭插進電源出口。

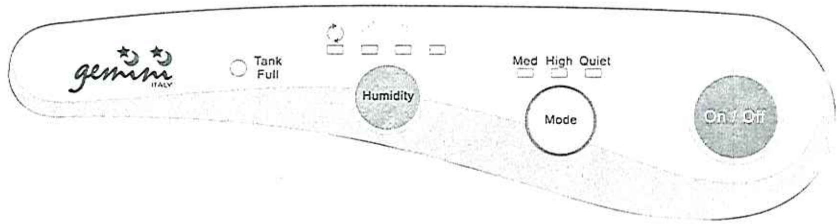
2、用手打開百葉窗。

3、按下電源鍵。

4、選擇操作模式或讓它在預調模式操作。

5、如想停止操作，請再按下電源鍵一次。

● 操作板



顯示燈

1、“ ” （水缸滿顯示燈）；
當排水缸水滿或位置不正確時，顯示燈會亮趣。
排出排水缸的水后，和確保位置正確。

2、“ ” （電源顯示燈）
當電插頭插上電源，顯示燈會亮起。

3、模式顯示燈
當“MED”燈、“HIGH”燈或“QUIET”燈亮着，分別地表示抽濕機的操作是在中動力、大動力或静止模式。

4、濕度顯示燈
當“ ”燈、“ ”燈或“ ”燈是亮着，分別地表示抽濕 機的濕度設定爲“低”、“中”、“高”。
“◯”持續抽濕顯示燈
當“◯”是亮着，這表示抽濕機之操作是在持續的模式。

● 開關功能

5、“開／關”鍵
按鍵一下啓動操作，再按一下可停止操作。

6、“模式”鍵
每次按下這鍵，操作模式會由“中動力”、“高動力”、及“静止”之次序改變，而它對應之顯示燈亦會改變。

7、“濕度”鍵
按鍵去設定室内之濕度，次序爲“低”、“中”、“高”及“持續”，預設是“持續”。
當相對室内濕度低於所設定之濕度時，抽濕機之操作會自動停止。

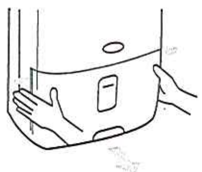
● 排放缸水

排水缸水滿

排水缸水滿 (約 5.5 公升)，機上的 “ ” 顯示燈亮起警告使用者，運作自動停止。請清理和排走水缸的水。

排水步驟

1 移除排水缸
用兩手輕按水缸的兩側，然後輕輕拉出。

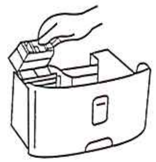


用手托按把手，然後移出水缸。



排水要注意要點

• 不可移除機內浮動板的水泡包裝 。機內的浮動板若沒有水泡包裝便不能感應水滿的效能，排水可能漏出水缸弄濕傢俱。這樣會導致電擊或電器短路。



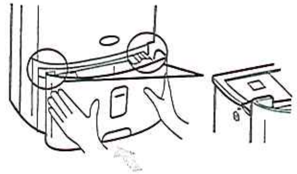
• 如果排水缸骯髒，可用凍水或暖水清洗，切勿使用清潔劑，洗擦墊，化學清潔布，汽油，苯，天拿水或其他溶液清潔，因這些物質會刮破和損壞水缸及引致水缸漏水。



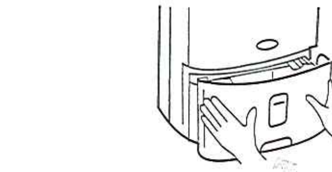
2 丟棄污水。



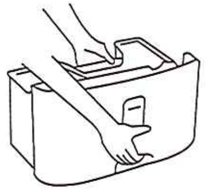
3 放回排水缸。



• 當放回排水缸，雙手捉緊水缸箱放進機內。若水缸放置錯誤，滿缸感應器會生效，抽濕機便不能運作。檢查和確保保護物穩固裝上水缸。否則，排水缸會很難移除。



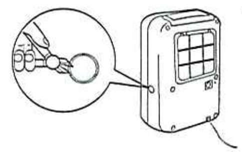
• 如水缸在機器運作中被移走，或停止運作後即時取出水缸，留在冷卻組件的水可能漏到底碟。移走排水缸前，至少等候 30 分鐘。(如餘水滴出，用布抹掉。)



● 排放缸水

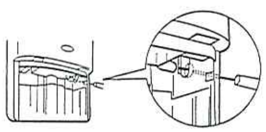
不斷排水

機內有一道不斷排水口。可用商用水管 (內部直徑15毫米)接駁，排水缸內的水可從此排水口不斷流出。當安裝排放裝置時，切記先停機和拔出電源插頭。



1. 截斷接駁排水缸和打開排水口。

用鉗子或類似工具切走機側的排水口。



2. 把水管推進接駁排水口。

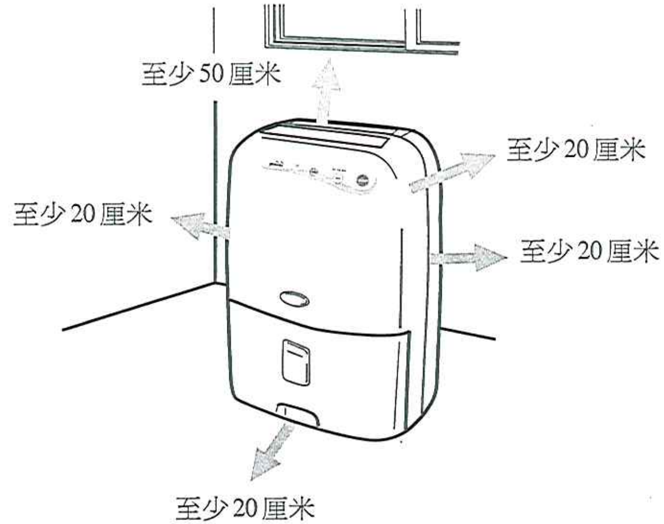
把商用水管 (內部直徑15毫米)穿過排水口，穩固地壓進主機，確保缸水不會漏出。去水管的高度不應高過排水口，而且去水管應長期插進去水口，存水才可成功排出。



3. 將排水缸放回原位。

定期檢查水管，確保接駁穩固和流暢。

當機器運作中，確保抽濕機周圍預留少許空間。



注意：搬動抽濕機前請先關機，可傾斜 30° 範圍內擺放。

抽濕機的護理

清洗空氣過濾網

空氣過濾網應大約兩星期清洗一次。首先拆下空氣過濾網，跟着用吸塵機在空氣過濾網面上吸去塵埃。若過濾網非常骯髒，可用溫水加入中性清潔溶液清洗，待完全風乾才裝回。

存放抽濕機

當抽濕機長時間不會使用

1. 收起電線和安放在電線夾處。
2. 把剩餘在排水缸的水倒去和用布抹去餘下的水點。
3. 清潔空氣過濾網。
4. 存放抽濕機
   密封包裝機器防塵，和保持直立式存放於乾爽的地方。

安全操作要點

當使用抽濕機，請留意以下安全預防措施：

1. 當使用乾衣模式時，機器應放置遠離衣物，防止被滴水弄濕。
2. 清潔抽濕機或長時間不用機器，應拔出電源插頭。
3. 不要用水清洗機器或放置接近水濕地方，危險爆炸品或易燃物品。
4. 不要放置抽濕機太近產生熱能的電器，易燃和危險物品 。
5. 不要把手指或物件放進入口或釋氣處。
6. 不要坐立在機器上。
7. 排出缸內存留已久的水。
8. 不要在密室開動抽濕機，例如壁櫥內或容易發生火警的地方。
9. 不要在儲存特殊物品的地方使用抽濕機，像食用產品，藝術品或科學性的原料等。
10. 向下裝置水管確保積水可以不斷排出。
11. 若發現電線損壞，應由製造商或服務代理或合資格人士更換，以免發生危險。

● 解決故障

如果以下情況發生，請檢查以下細則，可幫你節省時間和成本：

情況	原因	解決辦法
抽濕機不能操作。	電線是否未接駁？	將電源插頭接上電源。
	燈號“ ”有沒有閃動?(水缸滿水或位置錯誤)	倒去排水缸裏的水，然後放好水缸。
	室內溫度是否在高於38°C或低于2°C?	由於保護裝置已啓動，所以抽濕機不能在這惡劣環境下開動。(在這情況下，請不要用抽濕機)

情況	原因	解決辦法
抽濕功能未能操作。	是否空氣過濾網閉塞了?	可參閱 " 抽濕機的護理 " 清潔過濾網。
	是否入口或排放口阻塞了?	移除任何入口或排放口的阻塞物。
沒空氣排放。	是否空氣過濾網閉塞了?	可參閱"抽濕機的護理"清潔過濾網。
運作發出噪音。	機器安裝不當引致傾科或不穩？	擺放抽濕機在平穩, 結實的地方。及時方法：在機下放置軟墊，可幫助減低運作噪音。
	是否空氣過濾網閉塞了?	可參閱"抽濕機的護理"清潔過濾網。

- 以下情況發生後並已作出相應步驟，但仍未能修妥故障或引致其他故障發生，請聯絡註冊服務中心。

解決故障

以下徵狀不代表故障發生

徵狀	原因
操作期間音量突然增大。	當壓縮器開動，操作聲音加大。
濕度沒有下降。	是否對抽濕機而言，房間太大？ 是否門窗經常開關？是否房內有一些裝置如煤氣電爐發出蒸氣？
抽濕微少或無抽濕情況發生。	若房間溫度或濕度低，便會有此情況發生。
當抽濕機首次啓用時，發出霉腐氣味。	因轉動器的溫度突然提升，一種不尋常或霉臭味在那一刻發出。

抽濕機有回音。	如機器擺放在本地板或細小的房內，可能會有回音。
當開機運作或改變操作模式，特別聲響從機內發出。	冷凍部分可能發出聲響直至循環運行平穩。
排水缸內有些污漬。	由於抽濕機出廠時曾作抽濕測試而遺下水漬，此情況不會構成問題。
抽濕機衹能在“高動力”模式運作，按模式鍵也没反應。	若室溫是高於35℃以上，保護裝置便啓動，因此抽濕機衹能在高動力模式運作。(風扇之速度是高速)
機內風扇旋轉運行和壓縮器不能運作。	若停機後3分鐘內重新啓動，保護裝置便會啓動，壓縮機會在延緩後3分鐘自動啓動。或當自動解凍生效時，壓縮機停止運作。